PHN INTERNSHIP TASK 4

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Qusetion :- Develop an Android application that maintains a list of students' names. The app should have a switch button that controls the search functionality. When the switch is turned on, the user should be able to search for a student's name using a search box located at the top of the screen. On the other hand, if the switch is turned off, the search box should be disabled and not be functional.

Additionally, the app should allow users to add and delete students from the list. When the user adds a student, they should be prompted to enter the student's name and any relevant information such as their email, phone number, or address. When a user deletes a student, they should be prompted to confirm the action before the student's information is removed from the list.

Finally, the app should provide an option for users to export the list of students as a CSV file, which can be shared with others via email or other means. The exported file should contain all of the student's information, including their name, email, phone number, and address, if available.

Code:-

Main Activity:-

```java
package com.example.phninternshiptask4;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.CompoundButton;
import android.widget.ListView;
import android.widget.SearchView;
import android.widget.Switch;

import com.google.android.material.floatingactionbutton.FloatingActionButton;

import java.util.Arrays;
```

```java
import java.util.List;

public class MainActivity extends AppCompatActivity {
    ListView listView;
    SearchView searchView;
    Switch aSwitch;
    FloatingActionButton addBtton;
    FloatingActionButton deleteBtn;
    FloatingActionButton saveBtn;

    dataholder holder=new dataholder();
    List<String> nameData=holder.getData();
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        listView=findViewById(R.id.myList);
        searchView=findViewById(R.id.search);
        searchView.setVisibility(View.INVISIBLE);
        addBtton=findViewById(R.id.addBtn);
        deleteBtn=findViewById(R.id.btnDelete);
        saveBtn=findViewById(R.id.btnSaveCsv);

        ArrayAdapter<String> adapter=new ArrayAdapter<>(getApplicationContext(),
android.R.layout.simple_list_item_1,nameData);
        listView.setAdapter(adapter);
        listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int position,
long id) {
                Intent intent=new Intent(MainActivity.this,studentDetail.class);
                intent.putExtra("index",position);
                startActivity(intent);
//                finish();
            }
        });
        aSwitch=findViewById(R.id.switch1);
        searchView.setOnQueryTextListener(new SearchView.OnQueryTextListener() {
            @Override
            public boolean onQueryTextSubmit(String query) {
                adapter.getFilter().filter(query);
                return false;
            }

            @Override
            public boolean onQueryTextChange(String newText) {
                adapter.getFilter().filter(newText);
                return false;
            }
        });

        aSwitch.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(CompoundButton buttonView, boolean
isChecked) {
                if(!isChecked){
                    searchView.setVisibility(View.INVISIBLE);
                }else{
                    searchView.setVisibility(View.VISIBLE);
                }
            }
        });

        addBtton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

```java
                Intent i=new Intent(MainActivity.this,addActivity.class);
                startActivity(i);
                finish();
            }
        });

        deleteBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(MainActivity.this,deleteActivity.class);
                startActivity(i);
                finish();
            }
        });

        saveBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(getApplicationContext(),saveActivity.class);
                startActivity(i);
            }
        });


    }
}
```

Activity_main.xml:-

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#96EA99"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:id="@+id/linear"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0"
        android:background="#EBE8A0"
        tools:ignore="MissingConstraints">
        <SearchView
            android:id="@+id/search"
            android:layout_width="340dp"
            android:background="#F4F1A3"
            android:layout_height="wrap_content"
            />
        <Switch
            android:id="@+id/switch1"
            android:layout_width="0dp"
            android:layout_height="48dp"
            android:layout_weight="1"
            android:background="#EE9A5A"
            tools:ignore="UseSwitchCompatOrMaterialXml" />
```

```xml
    </LinearLayout>

    <ListView
        android:id="@+id/myList"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#63F1E3"
        android:padding="5dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toBottomOf="@id/linear"
        app:layout_constraintVertical_bias="0.0" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/addBtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:backgroundTint="#FFFFFF"
        android:clickable="true"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.157"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.9"
        app:maxImageSize="50dp"
        app:srcCompat="@android:drawable/ic_input_add" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/btnDelete"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:backgroundTint="@color/white"
        android:clickable="true"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.9"
        app:maxImageSize="35dp"
        app:srcCompat="@android:drawable/ic_menu_delete" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/btnSaveCsv"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:backgroundTint="@color/white"
        android:clickable="true"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.85"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.90"
        app:maxImageSize="35dp"
        app:srcCompat="@android:drawable/ic_menu_save" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

addActivity.java:-

```java
package com.example.phninternshiptask4;



import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

 class addActivity extends AppCompatActivity {
    EditText Name;
    EditText email;
    EditText phone;
    Button save;


    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_addactivity);
        save=findViewById(R.id.btnSave1);
        Name=findViewById(R.id.txtName);
        email=findViewById(R.id.txtEmail);
        phone=findViewById(R.id.txtPhone);

        dataholder holder=new dataholder();

        save.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String newName=Name.getText()+"";
                String newEmail=email.getText()+"";
                String newPhone=phone.getText()+"";
                if(!newName.equals("") && !newEmail.equals("") &&
!newPhone.equals("") && newPhone.length()>=10) {
                    newPhone="+91 " +newPhone;
                    holder.setData(newName,newEmail,newPhone);
                    Toast.makeText(addActivity.this, "Added successfully",
Toast.LENGTH_SHORT).show();
                    Intent i = new Intent(addActivity.this, MainActivity.class);
                    startActivity(i);
                    finish();
                }else{
                    Toast.makeText(addActivity.this, "Data is Missing",
Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}
```

activity_addactivity.xml:-

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
```

```xml
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".addActivity">


    <EditText
        android:id="@+id/txtName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint="Name"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.185" />

    <Button
        android:id="@+id/btnSave1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Save"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.55" />

    <EditText
        android:id="@+id/txtEmail"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="e-Mail"
        android:inputType="textEmailAddress"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.309" />

    <EditText
        android:id="@+id/txtPhone"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="phone"
        android:hint="Phone No."
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.451" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Dataholder.java:-

```java
package com.example.phninternshiptask4;



import android.widget.Toast;
```

```java
import androidx.collection.ArraySet;

import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;

public class dataholder {
    private static  List<String> name = new ArrayList<>();
    private static  List<String> email = new ArrayList<>();
    private static  List<String> number = new ArrayList<>();

    private static boolean setOnce=false;
    public dataholder(){
        if(setOnce==false){
            //---default names---//
            name.add("John");
            name.add("Emma");
            name.add("Michael");
            name.add("Sophia");
            name.add("David");
            name.add("Olivia");
            name.add("Daniel");
            name.add("Ava");
            name.add("William");
            name.add("Mia");
            //---default emails---//
            email.add("user1@example.com");
            email.add("user2@gmail.com");
            email.add("user3@hotmail.com");
            email.add("user4@yahoo.com");
            email.add("user5@outlook.com");
            email.add("user6@live.com");
            email.add("user7@aol.com");
            email.add("user8@icloud.com");
            email.add("user9@protonmail.com");
            email.add("user10@mail.com");
            //---default phone number---//
            number.add("+91 1234567890");
            number.add("+91 9876543210");
            number.add("+91 9988776655");
            number.add("+91 1122334455");
            number.add("+91 9876543210");
            number.add("+91 9998887776");
            number.add("+91 8887776665");
            number.add("+91 6665554443");
            number.add("+91 5554443332");
            number.add("+91 4443332221");
        }
        setOnce=true;
    }
    public void  setData(String newName ,String newEmail,String newNumber){
        name.add(newName);
        email.add(newEmail);
        number.add(newNumber);
    }
    public boolean delete(String newName){
        int  ind =name.indexOf(newName);
        if(ind!=-1){
            name.remove(ind);
            email.remove(ind);
            number.remove(ind);
            return  true;
        }else{
            return false;
        }
    }
    public String getName(int ind){
        return name.get(ind);
```

```java
    }
    public String getEmail(int ind){
        return email.get(ind);
    }public String getPhone(int ind){
        return number.get(ind);
    }


    public List<String> getData(){
        return name;
    }
    public List<String> getEmailData(){
        return email;
    }
    public List<String> getNumberData(){return number; }
}
```

activity_dataholder.xml:-

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".dataholder">

</androidx.constraintlayout.widget.ConstraintLayout>
```

deleteActivity.java:-

```java
package com.example.phninternshiptask4;


import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class deleteActivity extends AppCompatActivity {
    EditText  newName;
    Button deleteBtn;
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_delete);
        deleteBtn=findViewById(R.id.secondDelete);
        newName=findViewById(R.id.deleteName);
```

```java
        deleteBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name=newName.getText()+"";
                if(!name.equals("")){
                    showAlert(name);
                }
                else{
                    Toast.makeText(deleteActivity.this, "Enter some name",
Toast.LENGTH_SHORT).show();
                }
            }
        });
    }

    private void showAlert(String stud) {
        AlertDialog.Builder builder=new AlertDialog.Builder(this);
        builder.setTitle("Alert");
        builder.setMessage("Are You Sure to delete "+ stud+ " ?");

        builder.setPositiveButton("Yes", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                dataholder holder=new dataholder();
                boolean ans=holder.delete(stud);
                if(ans){
                    Toast.makeText(deleteActivity.this, "Deleted Successfully",
Toast.LENGTH_SHORT).show();
                    Intent intent=new
Intent(getApplicationContext(),MainActivity.class);
                    startActivity(intent);
                    finish();
                }else{
                    Toast.makeText(deleteActivity.this, "No sch Student...",
Toast.LENGTH_SHORT).show();
                }
            }
        });

        builder.setNegativeButton("No", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                Toast.makeText(deleteActivity.this, "Deletion Canceled",
Toast.LENGTH_SHORT).show();
            }
        });
        AlertDialog alertDialog= builder.create();
        alertDialog.show();
    }
}
```

activity_delete.xml:-

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
```

```xml
    tools:context=".deleteActivity">

    <EditText
        android:id="@+id/deleteName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint="Name"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.303" />

    <Button
        android:id="@+id/secondDelete"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Delete"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.483" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

saveActivity.java:-

```java
package com.example.phninternshiptask4;


import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;

import android.Manifest;
import android.annotation.SuppressLint;
import android.content.Context;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.os.Environment;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import java.io.File;
import java.io.FileOutputStream;
import java.io.FileWriter;
import java.io.IOException;
import java.io.OutputStreamWriter;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;

public class saveActivity extends AppCompatActivity {
    EditText fileName;
    Button saveIng;
    private static final int PERMISSION_REQUEST_CODE = 1;
    public static boolean flag=false;
```

```java
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_save);
        fileName=findViewById(R.id.txtSaveing);
        saveIng=findViewById(R.id.btnSaving);



        if (ContextCompat.checkSelfPermission(this,
Manifest.permission.WRITE_EXTERNAL_STORAGE)
                != PackageManager.PERMISSION_GRANTED) {
            ActivityCompat.requestPermissions(this,
                    new String[]{Manifest.permission.WRITE_EXTERNAL_STORAGE},
                    PERMISSION_REQUEST_CODE);
        } else {
            flag=true;
        }



        saveIng.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(flag){
                    String fName=fileName.getText()+"";
                    if(!fName.equals("")) {
                        createAndSaveCSV(fName);
                    }
                }else{
                    Toast.makeText(saveActivity.this, "Permission is not Granted",
Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
    @Override
    public void onRequestPermissionsResult(int requestCode, String[] permissions,
int[] grantResults) {
        super.onRequestPermissionsResult(requestCode, permissions, grantResults);

        if (requestCode == PERMISSION_REQUEST_CODE) {
            if (grantResults.length > 0 && grantResults[0] ==
PackageManager.PERMISSION_GRANTED) {
                // Permission granted
                flag=true;
            } else {
                // Permission denied
                Toast.makeText(this, "Write External Storage permission denied",
                        Toast.LENGTH_SHORT).show();
            }
        }
    }
    //-----saving file-------//
    private void createAndSaveCSV(String fName) {
        dataholder holder=new dataholder();
        List<String> column1 = holder.getData();
        List<String> column2 = holder.getEmailData();
        List<String> column3 = holder.getNumberData();

        // Create a list of rows
        List<List<String>> rows = new ArrayList<>();
        for (int i = 0; i < column1.size(); i++) {
            List<String> row = new ArrayList<>();
            row.add(column1.get(i));
```

```java
            row.add(String.valueOf(column2.get(i)));
            row.add(column3.get(i));
            rows.add(row);
        }

        StringBuilder csvContent = new StringBuilder();
        for (List<String> row : rows) {
            csvContent.append(String.join(",", row));
            csvContent.append("\n");
        }
        String filePath = fName+".csv";

        // Save the CSV file to internal storage
        try {
            FileOutputStream outputStream = openFileOutput(filePath,
Context.MODE_PRIVATE);
            OutputStreamWriter writer = new OutputStreamWriter(outputStream);
            writer.write(csvContent.toString());
            writer.close();
            outputStream.close();
            Toast.makeText(this, "CSV file created and saved",
Toast.LENGTH_SHORT).show();
        } catch (IOException e) {
            e.printStackTrace();
            Toast.makeText(this, "Error creating CSV file",
Toast.LENGTH_SHORT).show();
        }
    }

}
```

activity_save.xml:-

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".saveActivity">

    <EditText
        android:id="@+id/txtSaveing"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint="csv file name"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.31" />

    <Button
        android:id="@+id/btnSaving"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Save"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
```

```
            app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

studentDetail.java:-

```java
package com.example.phninternshiptask4;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;
import android.widget.Toast;

public class studentDetail extends AppCompatActivity {
    TextView name,email,phone;

    @SuppressLint({"SetTextI18n", "MissingInflatedId"})
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_student_detail);
        name =findViewById(R.id.textView);
        email=findViewById(R.id.textView2);
        phone=findViewById(R.id.textView4);
        Intent i=getIntent();
        int ind=i.getIntExtra("index",-1);
        dataholder holder=new dataholder();
        name.setText(name.getText()+" "+holder.getName(ind));
        email.setText(email.getText()+" "+holder.getEmail(ind));
        phone.setText(phone.getText()+" "+holder.getPhone(ind));
    }
}
```

activity_student_detail.xml:-

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".studentDetail">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Name : "
        android:textSize="30sp"
        android:textStyle="bold"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.1"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.15" />
```
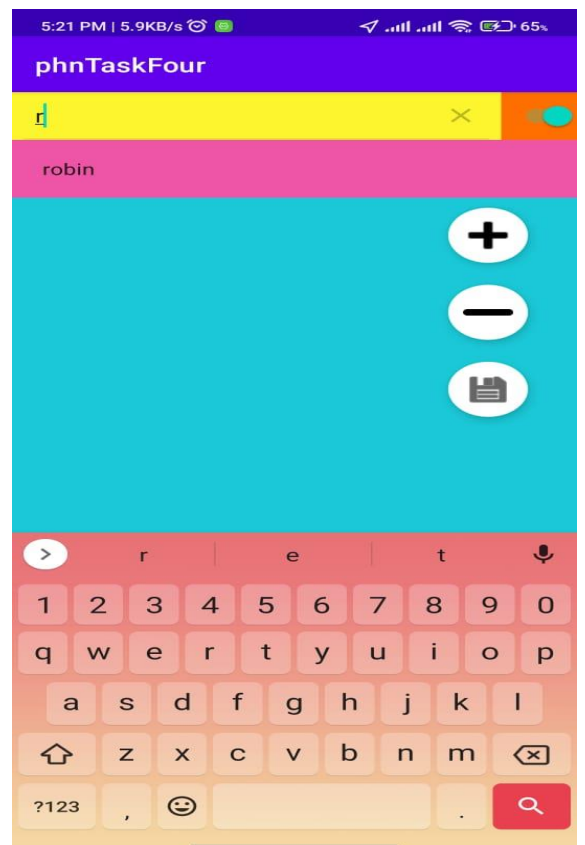
```xml
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Email : "
        android:textSize="25sp"
        android:textStyle="bold"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.1"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.3" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Phone No : "
        android:textSize="25sp"
        android:textStyle="bold"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.1"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.45" />

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/student"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"

        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="1.0" />

</androidx.constraintlayout.widget.ConstraintLayout>
```
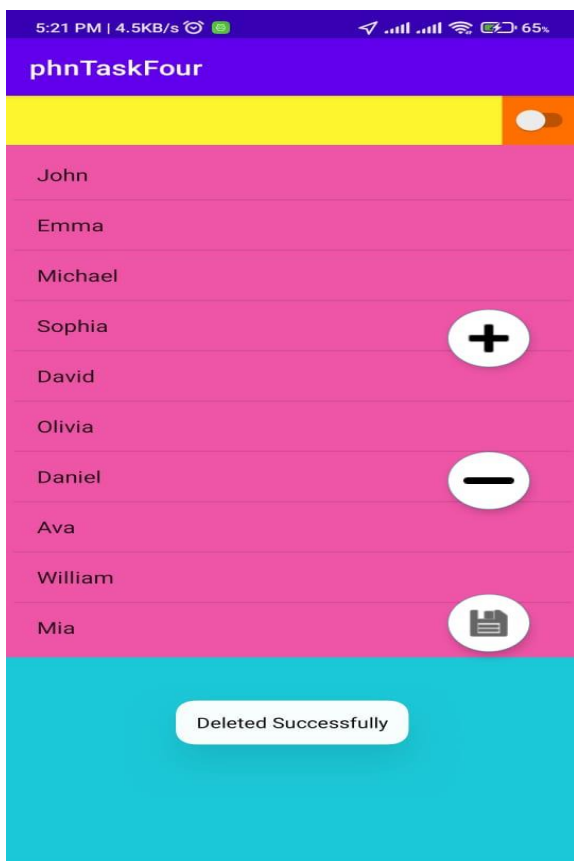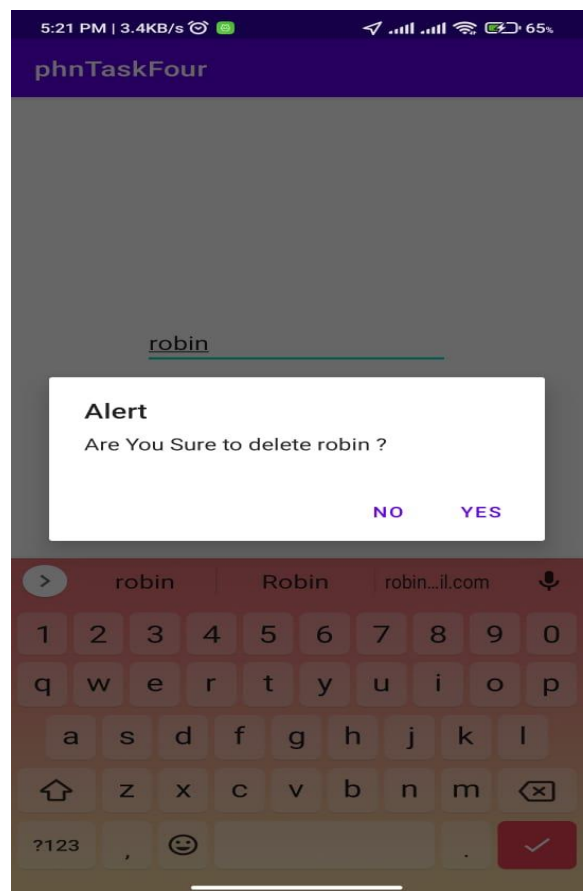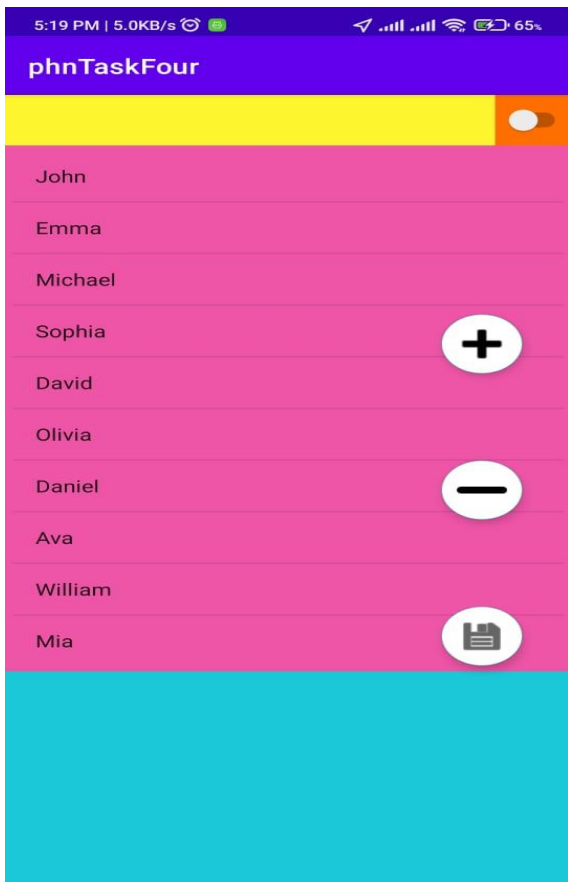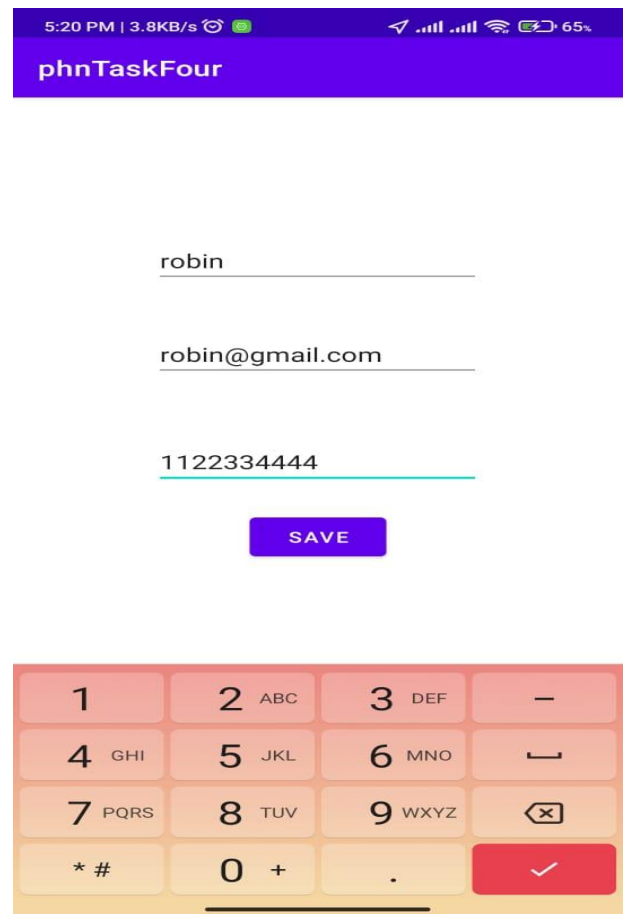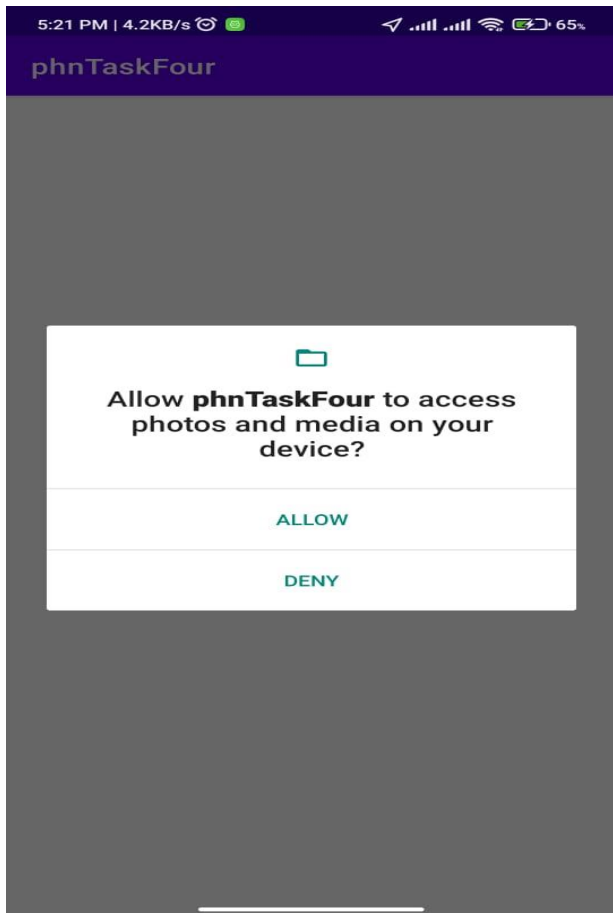
Screenshots:-

☐

Allow phnTaskFour to access photos and media on your device?

ALLOW

DENY

robin

robin@gmail.com

1122334444

SAVE

1	2 ABC	3 DEF	—
4 GHI	5 JKL	6 MNO	⎵
7 PQRS	8 TUV	9 WXYZ	⌫
* #	0 +	.	✓

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